

#3 / IDS

GNE.2930R1C10

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Botstein et al.) Group Art Unit: 1656
App. No. : 10/033,167)
Filed : December 27, 2001)
For : SECRETED AND)
TRANSMEMBRANE)
POLYPEPTIDES AND NUCLEIC)
ACIDS ENCODING HE SAME)
Examiner : Unknown)



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INFORMATION DISCLOSURE STATEMENT

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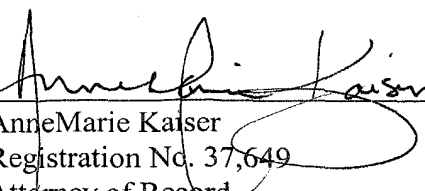
Dear Sir:

Enclosed is form PTO-1449 listing references that are also enclosed. This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: May 14, 2002

By: 
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
GNE.2930R1C10APPLICATION NO.
10/033,167INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Botstein et al.FILING DATE
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U.S. PATENT DOCUMENTS


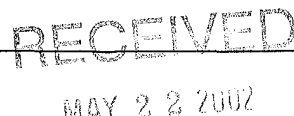
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
1.	5,536,637	07/16/96	Jacobs			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
2.	Akimaru et al. (1997) Drosophila CBP is a co-activator of cubitus interruptus in hedgehog signalling. Nature. 386:735-738.
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5.	Apelqvist et al. (1997) Sonic hedgehog directs specialised mesoderm differentiation in the intestine and pancreas. Current Biology. 7:801-804.
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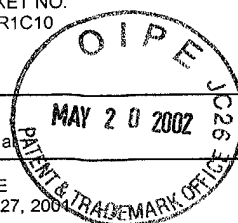
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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. GNE.2930R1C10	APPLICATION NO. 10/033,167
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		FILING DATE December 27, 2001	

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		FILING DATE December 27, 2001	



EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	48.	Stone et al. (1996) The tumour-suppressor gene patched encodes a candidate receptor for sonic hedgehog. Nature. 384:129-134,
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	52.	Van den Heuvel and Ingham (1996) Smoothened encodes a receptor-like serpentine protein required for hedgehog signalling. Nature. 382:547-551.
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	54.	Xie et al. (1998) Activating smoothened mutations in sporadic basal-cell carcinoma. Nature. 391:90-92.
	55.	Database search, Locus list: hum (349, 801 seqs, 66, 964, 548 aa), Mon Jan 7 16:12:49 2002 [BLASTP 2.2.1 [Jul-12-2001], NCBI] 2 pp.
	56.	Database search, Locus list: hum - est (1, 803, 435 seqs, 6, 559, 376, 613 bp), Tue Jan 8 09:15:52 2002 [BLASTN 2.2.1 [Jul-12-2001], NCBI] 8 pp.

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1651

PATENT

Case Docket No. GNE.2930R1C10
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THE SAME
Examiner : Unknown
Group Art Unit : 1656

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ATTENTION: APPLICATION BRANCH

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with fifty-six (56) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

AnneMarie Kaiser
Registration No. 37,649
Attorney of Record